

ABSTRACT OF THE DISCLOSURE

1
2 In a wireless LAN system, an apparatus for controlling load balance of multi-access points
3 and a method thereof prevent load from being concentrated on a specific access point by
4 comparatively evaluating received load values of many access points after receiving the load values
5 from the access points, and enabling the access point having the concentrated load to reject terminal
6 access or remove prior-accessed terminals. The apparatus for controlling load balance of the
7 multi-access points in a wireless LAN system, including: many wireless LAN terminals having
8 wireless LAN interfaces and receiving a wireless LAN service; many access points providing the
9 wireless LAN service to the wireless LAN terminals, periodically transmitting load state information,
10 and suppressing an increase of load when a load suppressing signal is received; and a management
11 system comparatively evaluating load states of each access point by receiving the load state
12 information from the access points, and transmitting a load increase suppressing signal to access
13 points whose load values are more than a threshold value, if there are the access points whose load
14 values are more than the threshold value and other access points around the access points whose load
15 value are more than the threshold value are in idle state.